



A.D. 1838 N° 7777.

S P E C I F I C A T I O N

OF

SAMUEL STOCKER.

CHIMNEYS AND APPARATUS FOR
CLEANING THE SAME.

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Chimneys and Apparatus for Cleaning the same.

STOCKER'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, SAMUEL STOCKER, of the City of Bristol, Machinist, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by Her Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Twenty-first day of August, in the second year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Samuel Stocker, Her especial licence, full power, sole privilege and authority, that I, the said Samuel Stocker, my exors, admors, and assigns, or such others as I, the said Samuel Stocker, my exors, admors, or assigns, should at any time agree with, and no others, from time to time and at all times during the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-Tweed, my Invention of "IMPROVEMENTS IN CHIMNEYS FOR DWELLING HOUSES, AND APPARATUS FOR SCRAPING, SWEEPING, OR CLEANING CHIMNEYS, AND IN THE MANUFACTURE OF SUCH APPARATUS AND OF THE MATERIALS OF WHICH SUCH CHIMNEYS ARE FORMED;" in which said Letters Patent is contained a proviso that I, the said Samuel Stocker, shall cause a particular description of the nature of my said Invention, and in what manner the same is to be performed, to be inrolled in Her

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said Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said in part recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.

NOW KNOW YE, that in compliance with the said proviso, I, the said 5 Samuel Stocker, do hereby declare that the nature of my said Invention, and the manner in which the same is to be performed, are particularly described and ascertained in and by the following statement thereof, reference being had to the Drawing hereunto annexed, and to the figures and letters marked thereon (that is to say):— 10

The first part of my Invention relates to a mode of constructing chimneys for dwelling houses, by which a chimney may be produced much better adapted for being cleaned by mechanical means than the ordinary brick chimneys now in use, and such chimneys will occupy comparatively little space. 15

The second part of my Invention relates to a mechanical apparatus for scraping, sweeping, or cleaning chimneys, whereby I am enabled to dispense with the use of climbing boys, the apparatus being of so simple a nature that the act of cleaning the chimney may be performed by a servant without the slightest difficulty. 20

DESCRIPTION OF THE DRAWING.

Figure 1 shews a view in elevation partly in section of a chimney built according to my Invention, *a* being the brickwork, and *b, b, b*, are a series of earthenware tubes, which may be similar to the red chimney pots now in use, or they may be of stone, pottery, or other such clay; and the tubes are so constructed that the lower part of each is made sufficiently large to pass on to the extent of two or three inches over the top of the preceding tube as it is inserted in the brickwork, as shown at *c*. The wall or brickwork shewn is what is called by builders "first-class work," that is, two bricks thick, and the tubes are nine inches diameter, which may, however, be varied according to circumstances. In 25 building a chimney according to the plan I have shewn, the first tube will be placed in the centre of the brickwork, as at Figure 4, at or near the top of the space for the stove, and the brickwork built round it, filling any space that may be left between the tubes and bricks with mortar or cement. When the brickwork is completed to nearly the top of the first tube a second tube is to be 30 placed with the large end over the top of the lower tube, and the brickwork is to be continued, and mortar or cement applied as before, and so on till the chimney is carried to the height required. Figure 2 is a plan in section of

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Figure 1, and Figure 3 is one of the tubes shewn separately. It is evident that square or other shaped tubes may be employed, but those I have shown I consider the best form.

I will now describe the second part of my Invention, which relates to
5 improvements in apparatus for scraping, sweeping, or cleaning chimneys. Figure 4 shews the section of a chimney having my improvements applied thereto, *d* being a drum or roller having spindles working in uprights *e*, shewn in Figures 1 and 4. *f* is a chain passing over the drum or roller. When the apparatus is required for use, the brush is to be attached to the chain by
10 hooks or otherwise, as shewn, and on being drawn up and down the chimney, the brush, coming in contact with the sides, will very speedily cleanse it of soot. (Fig. 5 shews the form of brush which I use in crooked chimneys. This brush is composed of a series of elastic brushes similar to those used for cleaning bottles, and by its elasticity will readily adjust itself the bends of
15 the chimney). The brush may be detached and the chain placed out of the way on the side of the fireplace. I would observe that although I have described a brush, it is evident that other articles may be used, such as a scraper of iron.

Fig. 7 shews another mode of cleaning chimnies, whereby the chain only
20 is used, which chain is attached to the wheel *a*. By throwing round this chain with the hand from below, the lateral chain *b* will come in contact with the sides of the chimney and remove the soot. And I would remark that although I have shewn my improved apparatus applied to a chimney formed according to my first-described improvements, it will be evident that it may
25 be applied to the ordinary construction of chimneys, as shewn at Fig. 6.

Having thus described the nature of my said improvements, and the manner of carrying the same into effect, I would have it understood that what I claim as the Invention secured under the present Letters Patent, is,—

First, the mode of constructing chimneys as above described; and,
30 Secondly, I claim the mode of arranging apparatus, having a roller or suitable supports at the top of the chimney for a chain or cord to work on, as above described, for sweeping, scraping, or cleaning chimneys.

In witness whereof, I, the said Samuel Stocker, have hereunto set my hand
and seal, this Fifteenth day of February, in the year of our Lord
35 One thousand eight hundred and thirty-nine.

SAM^L (L.S.) STOCKER.

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HINTON, Extra.

AND BE IT REMEMBERED, that on the Fifteenth day of February, in the year of our Lord 1839, the aforesaid Samuel Stocker came before our said Lady the Queen in Her Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form above written. And also the Specification aforesaid was stamped according 5 to the tenor of the Statute made for that purpose.

Inrolled the Twenty-first day of February, in the year of our Lord One thousand eight hundred and thirty-nine.

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Printers to the Queen's most Excellent Majesty. 1857.

FIG. 1.

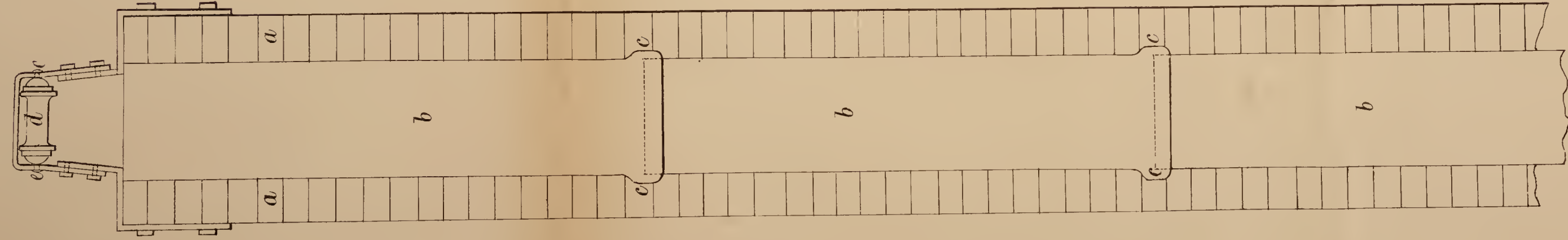
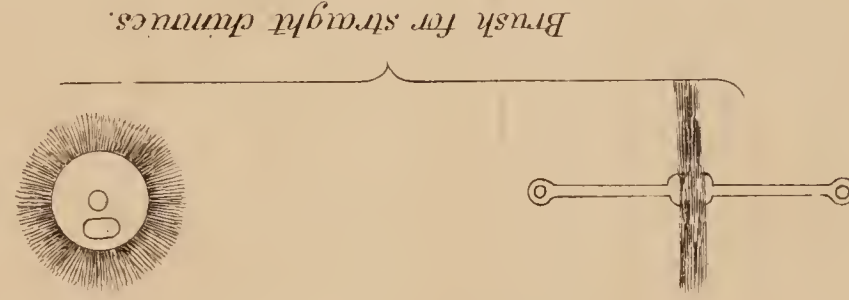
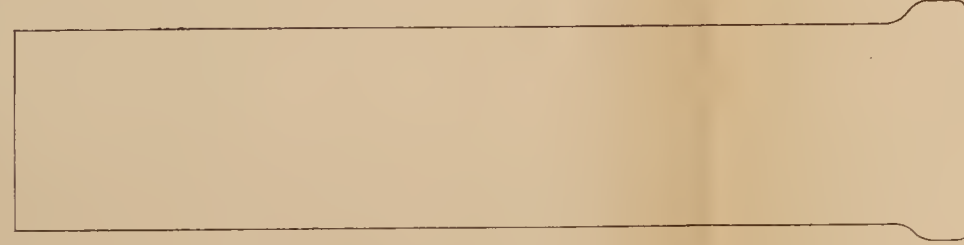
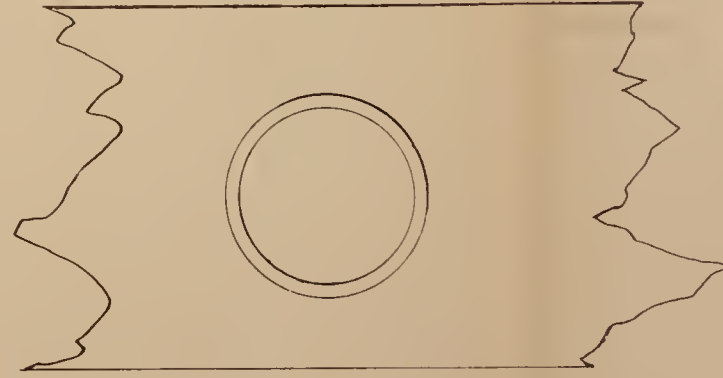


FIG. 3.



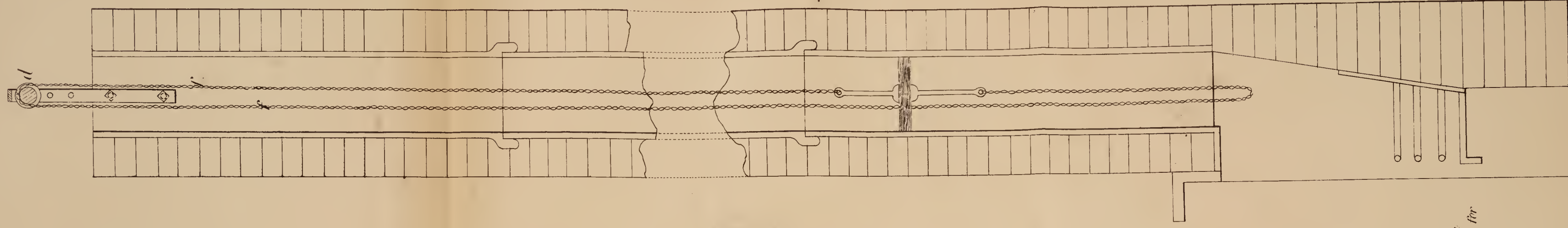
Brush for straight chimneys.

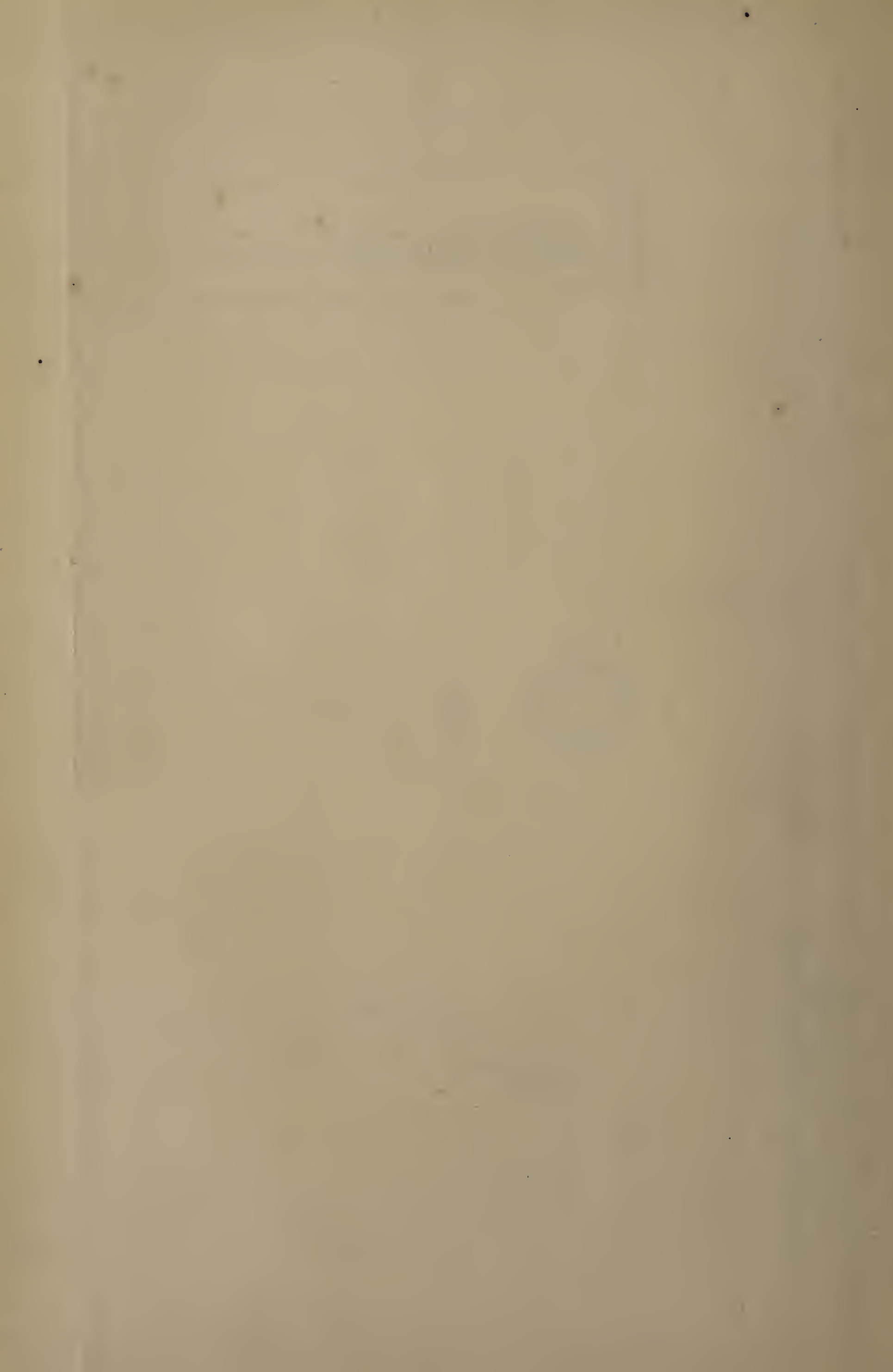
FIG. 2.



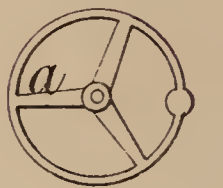
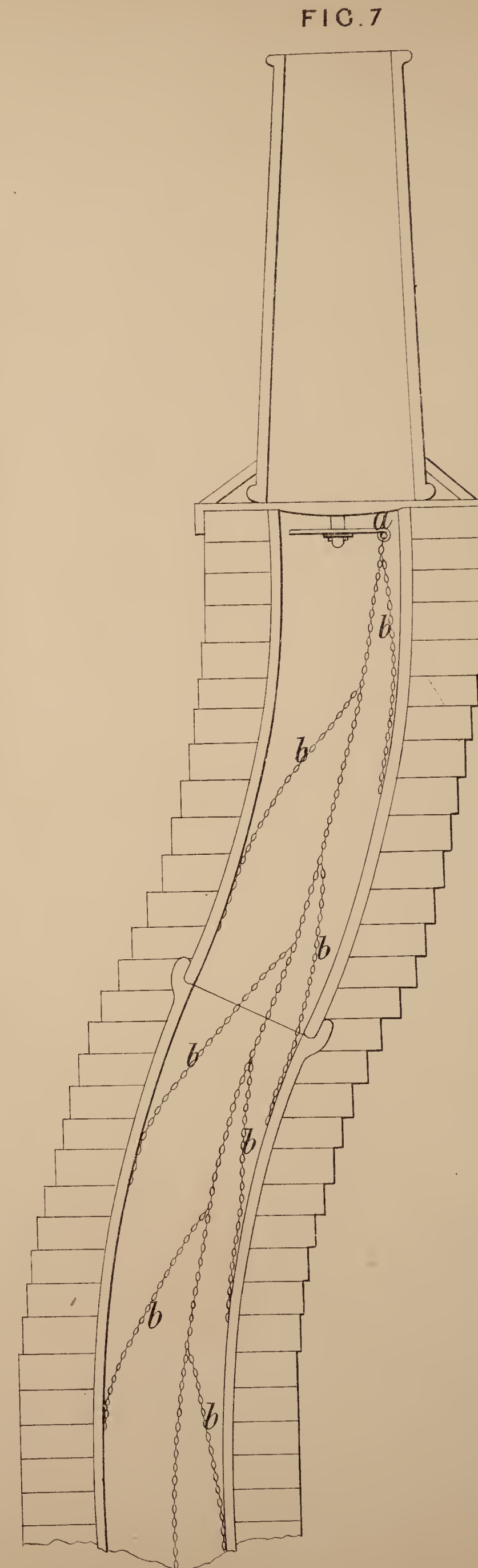
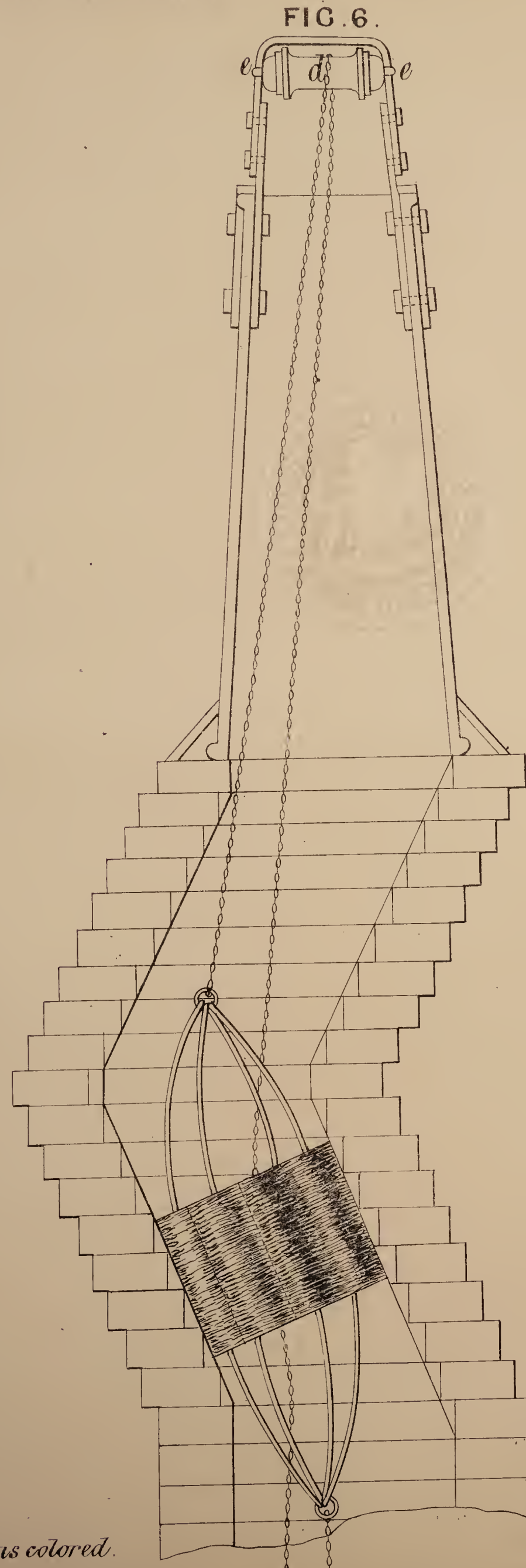
*This figure shows the
mode of forming bends for
my tubular chimneys.*

FIG. 4.





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STOCKER'S SPECIFICATION.



The enrolled drawing is colored.

Drawn on Stone by Malby & Sons.

